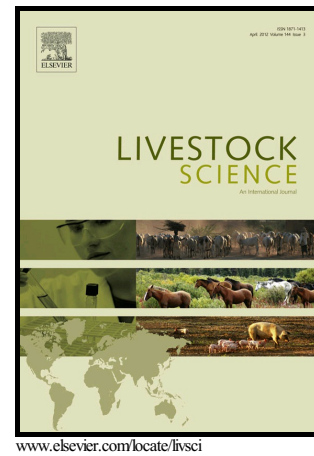


## Author's Accepted Manuscript

Effects of chito-oligosaccharide supplementation with low or medium molecular weight and high degree of deacetylation on growth performance, nutrient digestibility and small intestinal morphology in weaned pigs

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Effects of chito-oligosaccharide supplementation with low or medium molecular weight and high degree of deacetylation on growth performance, nutrient digestibility and small intestinal morphology in weaned pigs

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**ABSTRACT:** Chito-oligosaccharide (COS) supplementation in nursery diets has been found to improve piglets' performance. However, little is known on which COS characteristics are responsible for its effect. The present study was designed to further study how COS characteristics: molecular weight (MW) and degree of deacetylation (DD); affect the growth performance, nutrient digestibility, and small intestinal modifications in weaning pigs. For this purpose, 48 weanling pigs were divided into 4 groups (12 animals per group) and received either a basal diet or a basal diet supplemented with 150 mg/kg of COS which differed in MW and DD:

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